

### AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A video recorder, comprising:

a processor communicating with memory, the memory storing at least one of i) video data of an event and ii) audio data of the event, the video data comprising a series of picture frames;

a loop buffer also storing at least one of the audio data and the video data of the event, the loop buffer also storing at least one of time-delayed audio data and time-delayed video data that precedes the event; and

a set of rules stored in the memory, the set of rules specifying at least one of i) at least one of a region multiple regions of interest and a region of disinterest within a single picture frame, and ii) multiple regions of disinterest within the single picture frame, ii) an occurrence that causes transfer of at least one of the time-delayed video data and the time-delayed audio data from the loop buffer to the memory, and iii) a first time and a second time, wherein if the occurrence happens within the at least one of the region of interest and the region of disinterest within a single picture frame at the first time, the set of rules further specifies that at least one of the time-delayed video data and the time-delayed audio data is transferred from the loop buffer to the memory, and if the occurrence happens within the at least one of the region of interest and the region of disinterest within a single picture frame at the second time, the set of rules further specifies that at least one of the time-delayed video data and the time-delayed audio data is not transferred from the loop buffer to the memory the set of rules dynamically varying a bitrate of the video data associated with each region of interest and with each region of disinterest, the set of rules defining a tolerance for motion detection within a region of interest, the set of rules tagging an object within the region of interest with metadata, the metadata describing the object, and the set of rules shutting down a heating, ventilating, and air conditioning (HVAC) system when motion is detected,

wherein the video data is stored in the memory according to the bitrate specified by the set of rules.

2. (Currently Amended) A video recorder according to claim 1, wherein the set of rules further specifies ~~multiple bitrates for the regions of interest~~ a first bitrate associated with the region of interest and a second bitrate associated with the region of disinterest; and  
wherein if the occurrence happens within the region of interest, the set of rules further specifies that at least one of the time-delayed video data and the time-delayed audio data is transferred from the loop buffer to the memory at the first bitrate, and if the occurrence happens within the region of disinterest, the set of rules further specifies at least one of the time-delayed video data and the time-delayed audio data is transferred from the loop buffer to the memory at the second bitrate.

3. (Currently Amended) A video recorder according to claim 1, wherein the set of rules further specifies ~~multiple bitrates for the regions of disinterest~~ another occurrence; and  
wherein if the another occurrence is happening when the occurrence happens within the at least one of the region of interest and the region of disinterest within a single picture frame, then the set of rules further specifies that the another occurrence is stopped to verify that the occurrence is caused by the another occurrence.

4. (Currently Amended) A video recorder according to claim 1, wherein the memory stores real-time video data of the event and provides the time-delayed video data ~~of the event~~, the time-delayed video data preceding the ~~event~~ occurrence that causes transfer of at least one of the time-delayed video data and the time-delayed audio data from the loop buffer to the memory.

5. (Currently Amended) A video recorder according to claim 1, wherein the memory stores real-time audio data of the event and provides the time-delayed audio data of the event, the time-delayed audio data preceding the ~~event~~ occurrence that causes transfer of at least one of the time-delayed video data and the time-delayed audio data from the loop buffer to the memory.

6. (Currently Amended) A video recorder according to ~~claim 1~~ claim 3, further comprising a loop buffer, ~~the loop buffer also storing at least one of the video data of the event and the audio data of the event, the loop buffer providing audio data and video data that precedes~~

the event wherein the another occurrence includes operation of a heating, ventilation, and air conditioning system.

7. (Canceled)
8. (Original) A video recorder according to claim 1, wherein the memory comprises a mass-storage device, the mass storage device storing the video data of the event.
9. (Original) A video recorder according to claim 1, wherein the memory comprises an optical storage device.
10. (Original) A video recorder according to claim 1, wherein the memory comprises a memory card.
11. (Original) A video recorder according to claim 1, wherein the memory comprises a flash memory storage device.
12. (Currently Amended) A video recorder according to claim 1, wherein the video recorder interfaces with means for sensing the ~~event~~ occurrence and initiates video data of the event.
13. (Currently Amended) A video recorder according to claim 1, wherein the video recorder interfaces with means for sensing the ~~event~~ occurrence and initiates audio data of the event.
14. (Original) A video recorder according to claim 1, further comprising an interface to a communications network.
15. (Original) A video recorder according to claim 1, wherein the set of rules tags the video data with metadata, the metadata providing a description of a rule that caused the video data to be stored in the memory.

16. (Currently Amended) A video recorder according to claim 1, wherein the set of rules tags ~~at least one~~ the region of interest with metadata, the metadata providing a description of a rule that caused the video data to be stored in the memory.

17. (Currently Amended) A video recorder according to claim 1, wherein the set of rules tags ~~at least one~~ the region of disinterest with metadata, the metadata providing a description of a rule that caused the video data to be stored in the memory.

18. (Currently Amended) A video recorder, comprising:

- a processor communicating with memory, the memory storing at least one of audio data and video data of an event, the video data comprising a series of picture frames;
- a loop buffer also storing at least one of the audio data and the video data of the event, the loop buffer also storing at least one of time-delayed audio data and time-delayed video data that precedes the event; and
- a set of rules stored in the memory, the set of rules specifying ~~at least one of i) multiple regions of interest within a single picture frame, ii) multiple regions of disinterest within the single picture frame, and iii) when to transfer the contents of the loop buffer into the memory~~ a first occurrence that causes transfer of at least one of the time-delayed video data and the time-delayed audio data from the loop buffer to the memory and ii) a second occurrence, wherein if the first occurrence happens, then the set of rules further specifies determining whether the second occurrence is also happening, and if the second occurrence is also happening, then the set of rules further specifies that at least one of the time-delayed video data and the time-delayed audio is not transferred from the loop buffer to the memory ~~the set of rules dynamically varying a bitrate of the video data associated with each region of interest, associated with each region of disinterest, and associated with the contents of the loop buffer, the set of rules defining a tolerance for motion detection within a region of interest, the set of rules tagging an object within the region of interest with metadata, the metadata describing the object, and the set of rules shutting down a heating, ventilating, and air conditioning (HVAC) system when motion is detected,~~

wherein the video recorder provides both real-time and time-delayed audio data and video data of the event.

19. (Original) A video recorder according to claim 18, further comprising an interface to a communications network, the interface allowing the video recorder to transfer the audio data and the video data to a remote location via the communications network.

20. (Original) A video recorder according to claim 18, further comprising a user interface for configuring the video recorder.

21. (New) A video recorder according to claim 18, wherein if the second occurrence is happening when the first occurrence happens, then the set of rules further specifies that the second occurrence is stopped to verify that the first occurrence is caused by the second occurrence.